epot Maintenance Accounting Production System (DMAPS)

K. EDWARD GOODE, JR

LGNI/7-7125

PROGRAM NAME CHANGE

The Depot Maintenance Accounting and Production System (DMAPS) is the recent program name change from Defense Industrial Financial Management System (DIFMS).

This was done to encompass the complete spectrum of the program (i.e. Time and Attendance, NAVAIR Material Management System).

DMAPS

On 8 January 1998, the Secretary of the Air Force/ Financial Management (SAF/FM) approved DMAPS implementation as the Financial System for controlling the Depot Maintenance Activity Group (DMAG) portion of AFMC depots. AFMC/CC has also signed a Memorandum of Agreement (MOA) between Defense Finance and Accounting Service (DFAS), Gary Amlin, Assistant Secretaries of the Navy, Gladys Commons ASN/ FM&C, and Air Force, Robert Hale, (Financial Management and Comptroller) for the implementation of DMAPS.

The DMAPS Suite will be implemented at the Air Logistics Centers (ALC) in Ogden (OO-ALC), Warner Robins (WR-ALC), Oklahoma City (OC-ALC) and DFAS Operating Locations that support the ALCs.

AF DMAPS Project!

Thomas W Batterman
Deputy Director Directorate of Logistics
Headquarters Air Force Material Command
Wright Patterson Air Force Base Ohio

Richard T. Eckhardt
Deputy Director of Financial Management
Headquarters Air Force Material Command
Wright Patterson Air Force Base Ohio

As you know, the Air Force is actively engaged in improving our financial and functional accounting systems. In FY97, a comprehensive review of potential available systems, including both Commercial Off The Shelf (COTS) solutions and the Defense Industrial Financial Management System (DIFMS) was completed. The decision was made in early FY98 to adopt the Navy developed DIFMS Suite of systems. It was determined that DIFMS would provide the necessary level of financial management to support depot maintenance.

Recently a program name change was made in order to encompass the complete spectrum of the program (i.e. Time and Attendance, NAVAIR Material Management System), the Defense Industrial Financial Management System (DIFMS) is now known as the Depot Maintenance Accounting and Production System (DMAPS).

A key DMAPS deployment objective is to achieve improved financial management. Labor collection and accounting at the operation level are necessary to improve financial analysis, cost management and operations. In addition, DMAPS deployment is one major step towards achieving Chief Financial Officer (CFO) and DCAA compliance. These goals are 'must haves' for the Air Force.

The DMAPS Project is sponsored by both of us in conjunction with DFAS-HQ under the leadership of Captain (USN) Rob Sanders, DFAS HQ/IS. Mr. Hale, SAF/FM and Mr. Amlin, DFAS HQ/D have identified this as a high priority project and are actively involved in providing executive sponsorship.

We wish to acknowledge the dedicated efforts of the significant number of project participants from all the participating organizations, including the Air Logistics Centers at Ogden, Warner Robins and Oklahoma City; AFMC HQ, MSG, DFAS-HQ; SEO-PR; DFAS-DE, SSG; AFAA; AFCAA; Intergraph and numerous other support contractors.

We give special thanks to the many individuals who have displayed exceptional dedication, leadership and endured hardship of being away from their families for extended periods of time.

An Air Force web site was created to serve as a means of communicating the AF DMAPS Project to a wide audience, the Web Site Address is http://dmaps2.ingr.com. The inherent complexity of this project demands that a variety of means be used to effectively communicate. Various web pages on this site provide an overview of project objectives, benefits, background, system architecture, schedule, key points of contact and related information.

Again, thanks for your support to achieve a key Air Force goal. Together we must and will succeed, failure is not an option.

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS AIR FORCE MATERIEL COMMAND
WRIGHT PATTERSON AIR FORCE BASF- OHIO

03 MAY 1999

MEMORANDUM FOR OC-ALC/CC
OO-ALC/CC
SA-ALC/CC
SM-ALC/CC
WR-ALC/CC

FROM: AFMC/CC
4375 Chidlaw Road, Suite I
Wright-Patterson AFB OH 45433-5001

SUBJECT: Depot Maintenance accounting and Production System (DMAPS)

1. DMAPS is our initiative to bring a Chief Financial Officer (CFO) Act compliant cost accounting system to our Depot Maintenance Business Area. Achieving compliance requires that both business process improvements and the verification of our initial system data accompany the implementation of DMAPS.

2. To date, DMAPS planning has been accomplished by your individual ALC DMAPS teams under the leadership of the AFMC DMAPS program office, HQ AFMC/LGNC. Implementation for DMAPS is in phases. Phase I begins in January 2000 at OO-ALC, April 2000 at WR-A.LC, and August 2000 at OC-ALC.

3. Support of the entire Depot Maintenance business area at your center will be needed to ensure proper DMAPS implementation. All centers must take an active role in cleaning up data files needed for DMAPS initialization. The AFMC DMAPS program office will remain the focal point for coordinating all DMAPS related activities. Our point of contact is the program manager, Mr. Steve Hannaford, HQ AFMC/LGNC, DSN 674-0556.

(Signed Copy on File)
GEORGE T. BABBITT
General, USAF
Commander

DMAPS GOALS/OBJECTIVES

DMAPS Objectives:

Cost Visibility at the Task Level To Support:

- **Financial Management/Analysis**
  - **Fully Automated Billing Process**
  - **Consolidated Fund Control Process**

- **Cost Management**
  - **Indirect Job Order Capability**
  - **Budgeted Absorption Rates Applied As Direct Labor Expended**

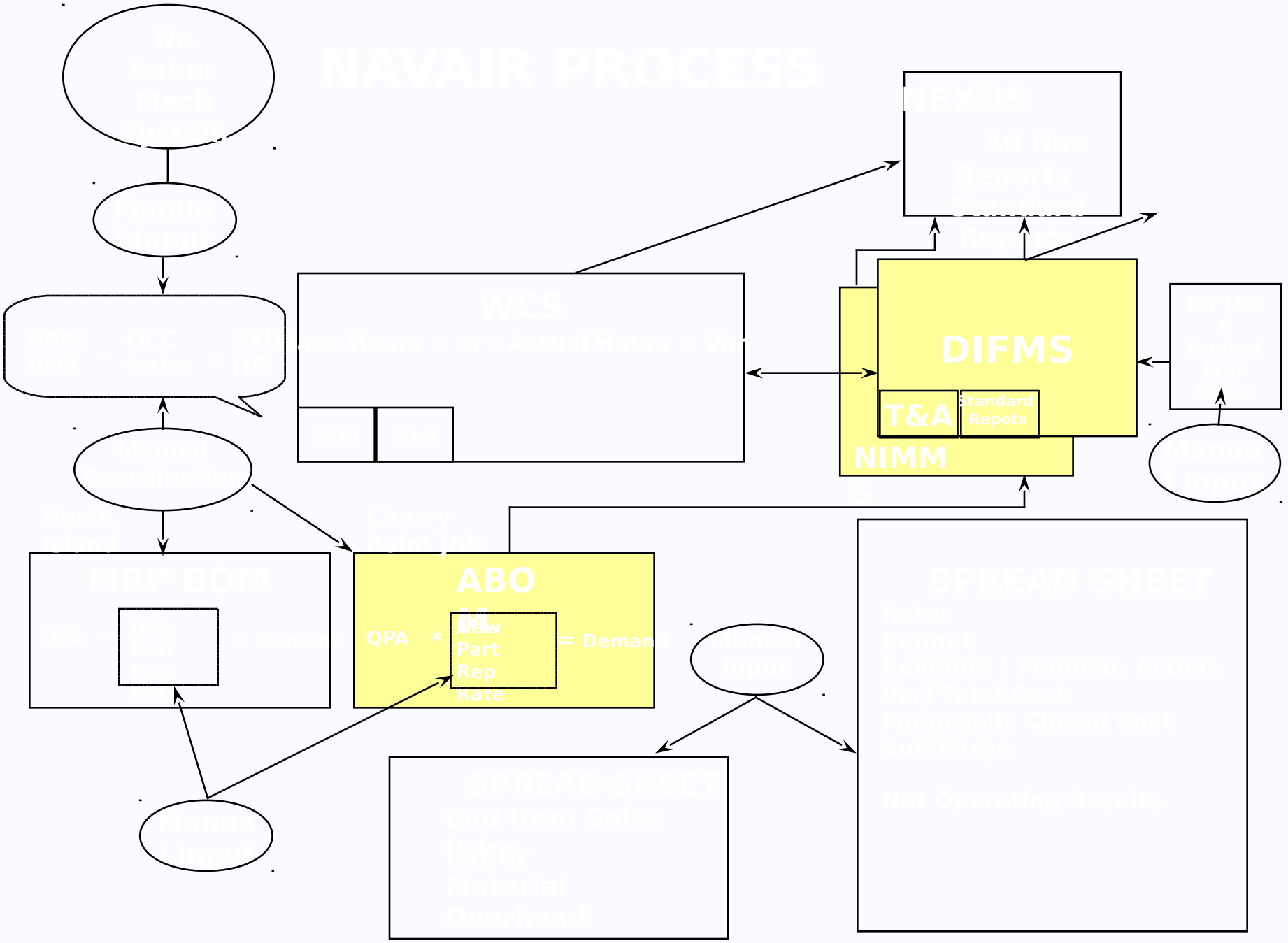
- **Operational Improvements (Occurrence Factors, Labor Standards, and End Item Sale Prices)**

DMAPS GOALS/OBJECTIVES

- Cost Accurately tied to Generating Activity (Actual Hours)
  -- In Support of Activity Based Costing

- CFO and DCAA Compliance

- Standard DoD Financial Reporting System


NAVAIR PROCESS
No
Labor
Mech
System
Manual
Input
Base
Hour
OCC
Factor
STD
Hrs
Manual
Coordination
North
Island
Cherry
Point/Jax
MRP BOM
New
Part
Rep
QPA
= Demand
WCS
MIDR
WLH
Base Hours + or - Actual Hours = Var
ABO
QPA
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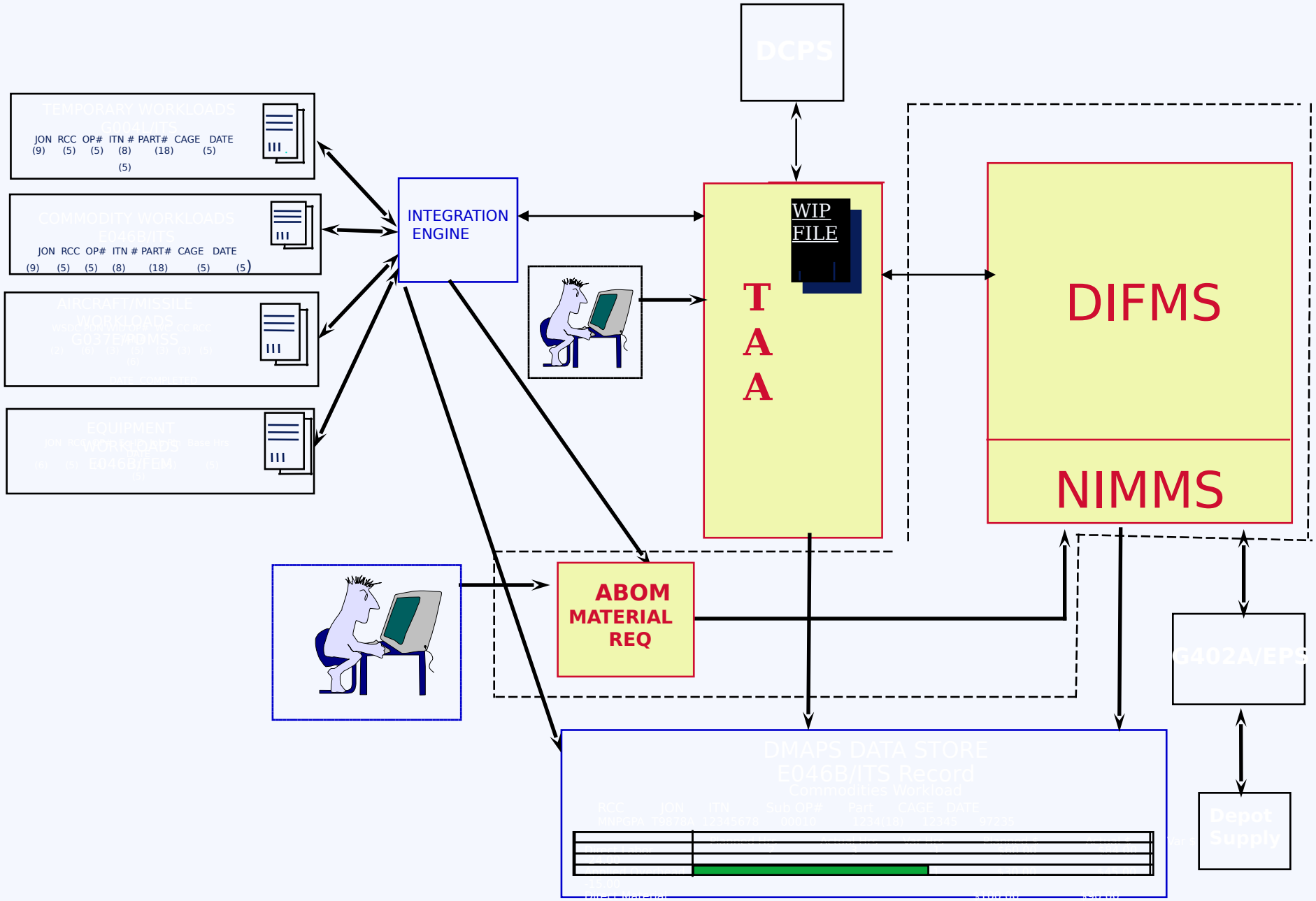
DIFMS
T&A
Standard
Repots
NIMM
S
Dir Mat
$
Budget
BISP
Manual
Input
Manual
Input
SPREAD SHEET
End Item Sales
Rates
Material
Overhead
SPREAD SHEET
Rates
Budget
Revenue (Planned, Actual,
Var) Total Cost
Financially Closed Cost
Surcharge
Net Operating Results

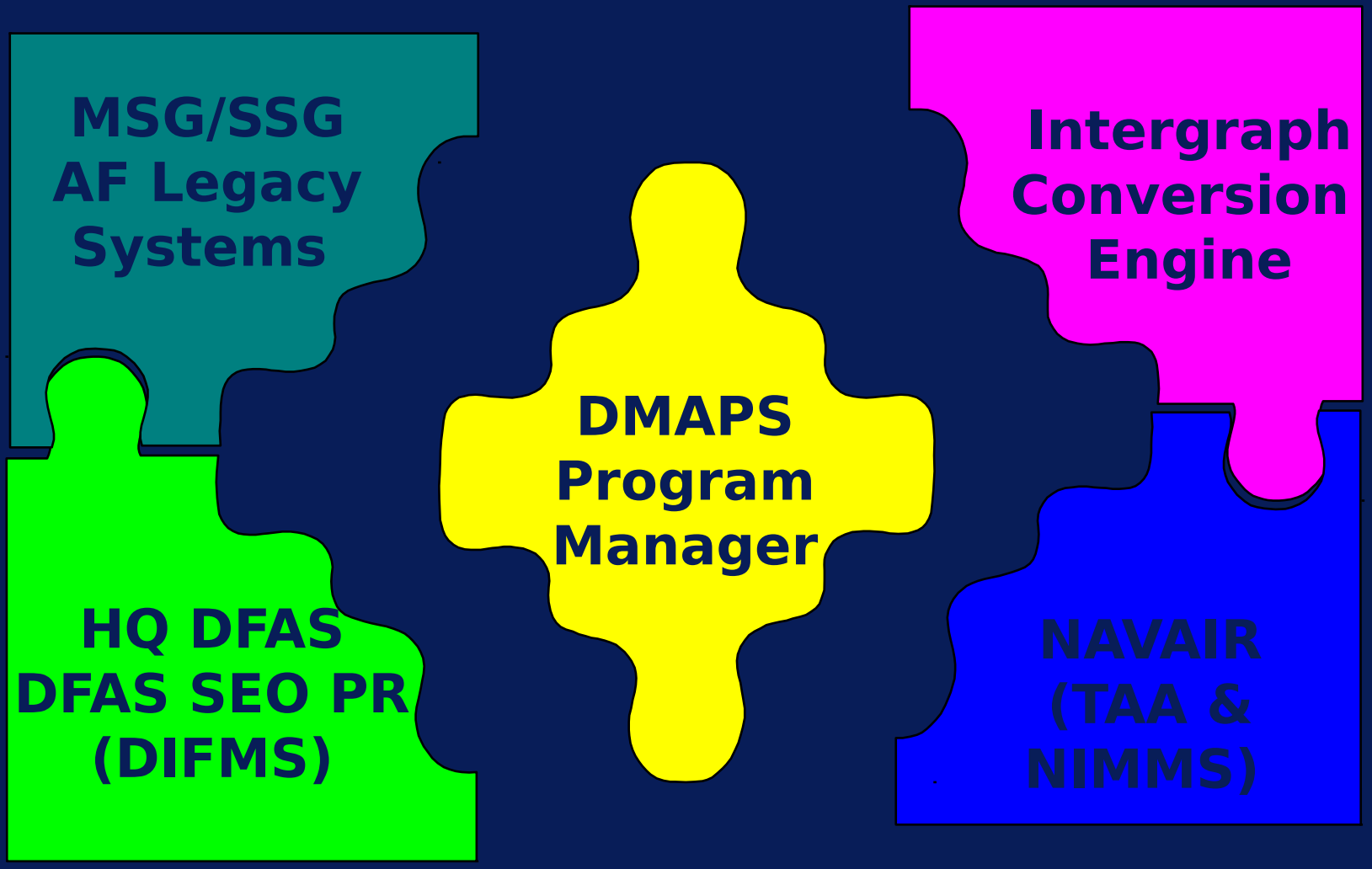
DEPOT MAINTENANCE ACCOUNTING & PRODUCTION SYSTEM (DMAPS)

- DMAPS Suite of Systems:
  - Defense Industrial Financial Management System (DIFMS)
  - NAVAIR Industrial Material Management System (NIMMS)
    - Automated Bill of Material (ABOM)
  - Time and Attendance (TAA)
- Interfaces with Legacy Systems
- New Technology/Development


DCPS
TEMPORARY WORKLOADS
G004L/ITS
JON RCC OP# ITN # PART# CAGE DATE
(9) (5) (5) (8) (18) (5) (5)
COMMODITY WORKLOADS
E046B/ITS
JON RCC OP# ITN # PART# CAGE DATE
(9) (5) (5) (8) (18) (5) (5)
AIRCRAFT/MISSILE WORKLOADS
G037E/ADMSS
EQUIPMENT WORKLOADS
E046B/FEM
INTEGRATION ENGINE
WIP FILE
T A A
DIFMS
NIMMS
ABOM MATERIAL REQ
G402A/EPS
Depot Supply
DMAPS DATA STORE
E046B/ITS Record
Commodities Workload
RCC JON ITN Sub OP# Part CAGE DATE

DMAPS PROGRAM PLAYERS/RESPONSIBILITIES

Ogden Air Logistics Center



‘98 PHASE 1 (TAA) MAY 2000 PHASE II (DIFMS/NIMMS)

OCT 2000

DIRECT LABOR PERSONNEL

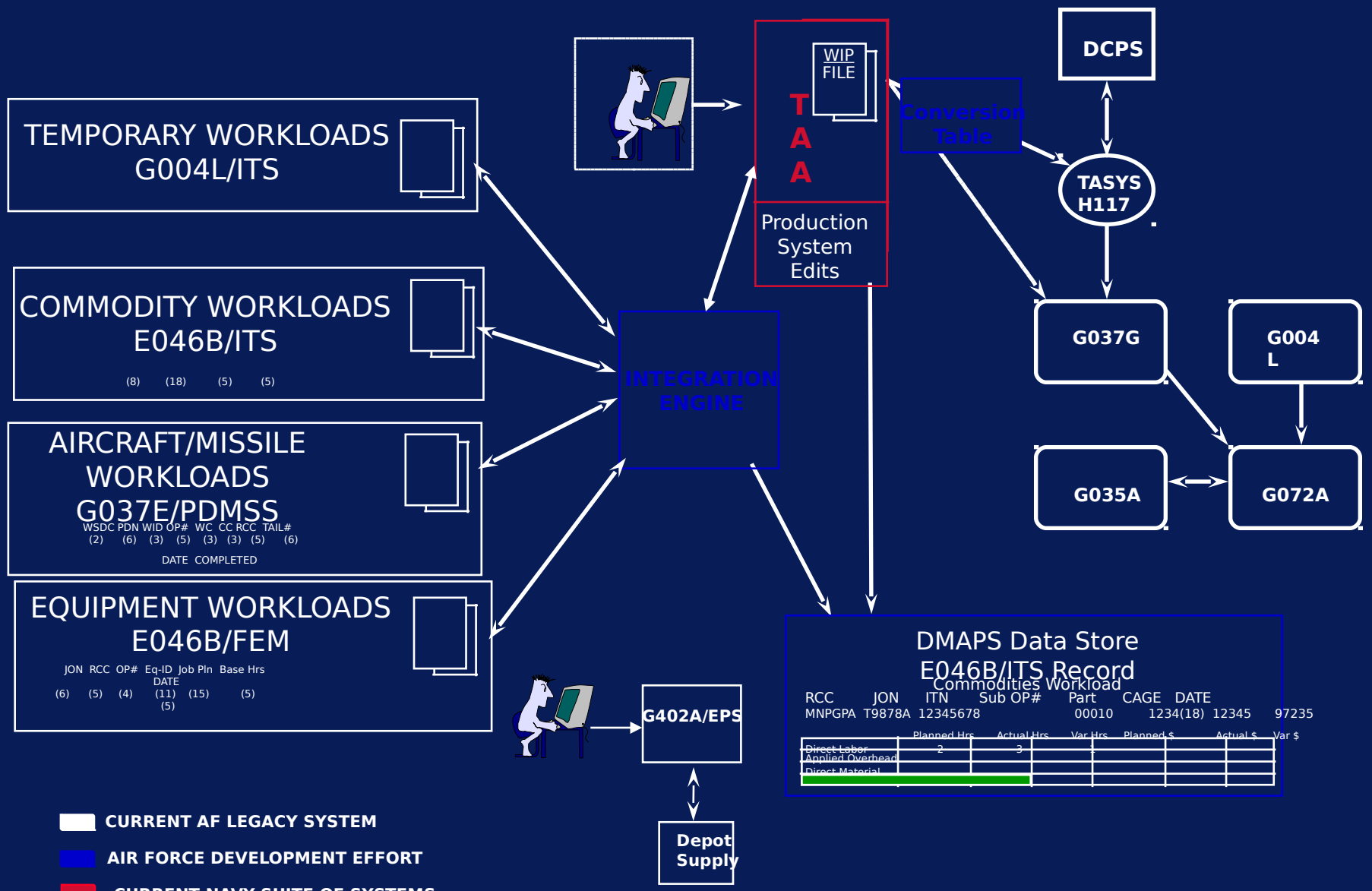
INDIRECT LABOR PERSONNEL

INDIRECT LABOR PERSONNEL

MATERIAL PERSONNEL

FINANCIAL PERSONNEL

CONVERSION PHASE 1



PRODUCTION COUNT WITH TIME & ATTENDANCE (TAA)

No Separate Production Count with DMAPS

Ogden Air Logistics Center

Actual Hours By Employee Collected Daily

- **JON (Direct or indirect) Level**
  - **Shop/RCC Earns No Production Count**

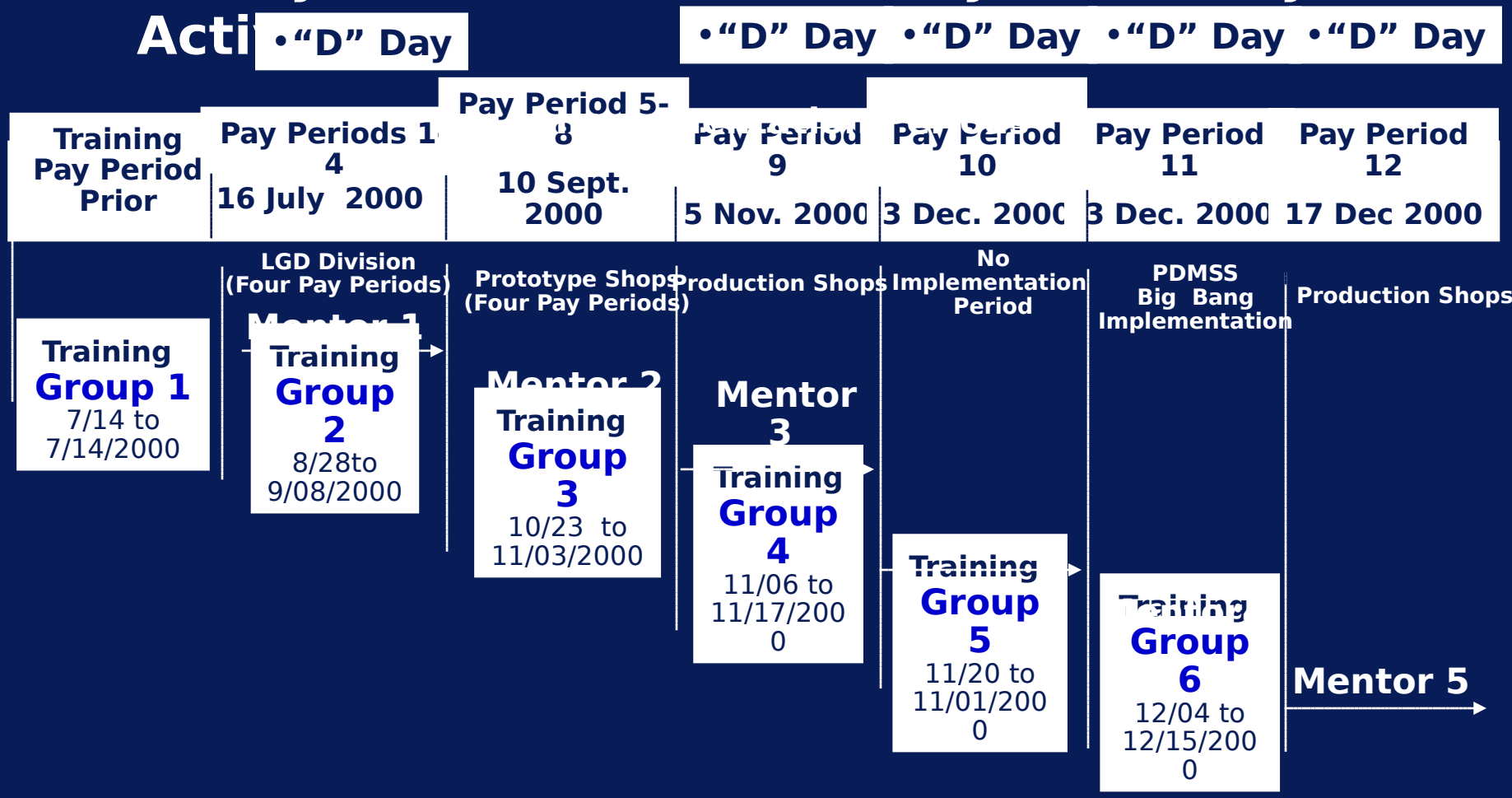
- **Task Level (Shop/RCC Earns Production Count)**

Aircraft/Missile Workloads G037E/PDMSS - Operation
Temporary Workloads G004L/ITS - Operation
Equipment Workloads E046B/FEM - Operation
Commodities Workloads E046B/ITS - Sub Operation

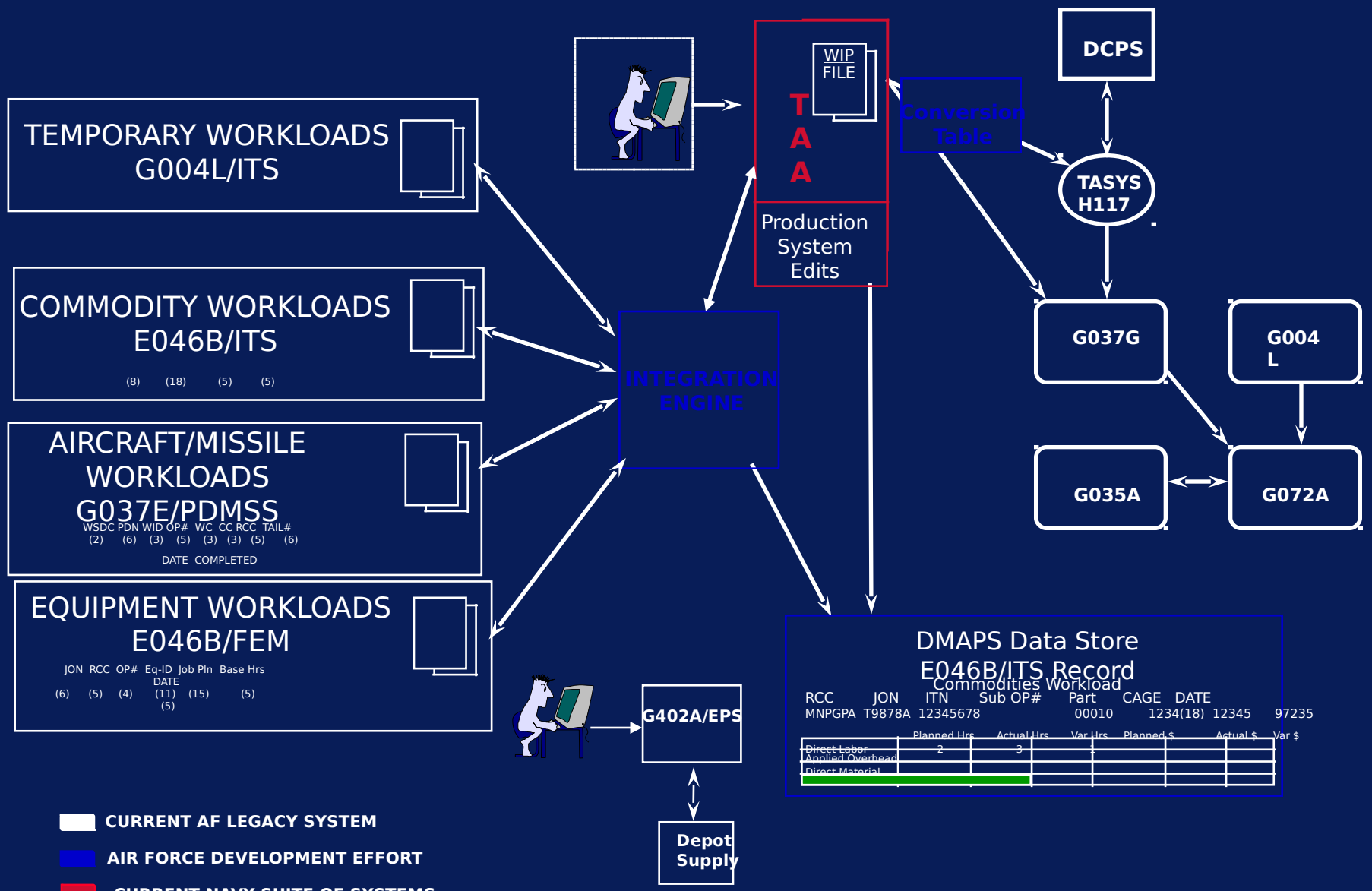
TRAINING
(NEW OR REVISED)

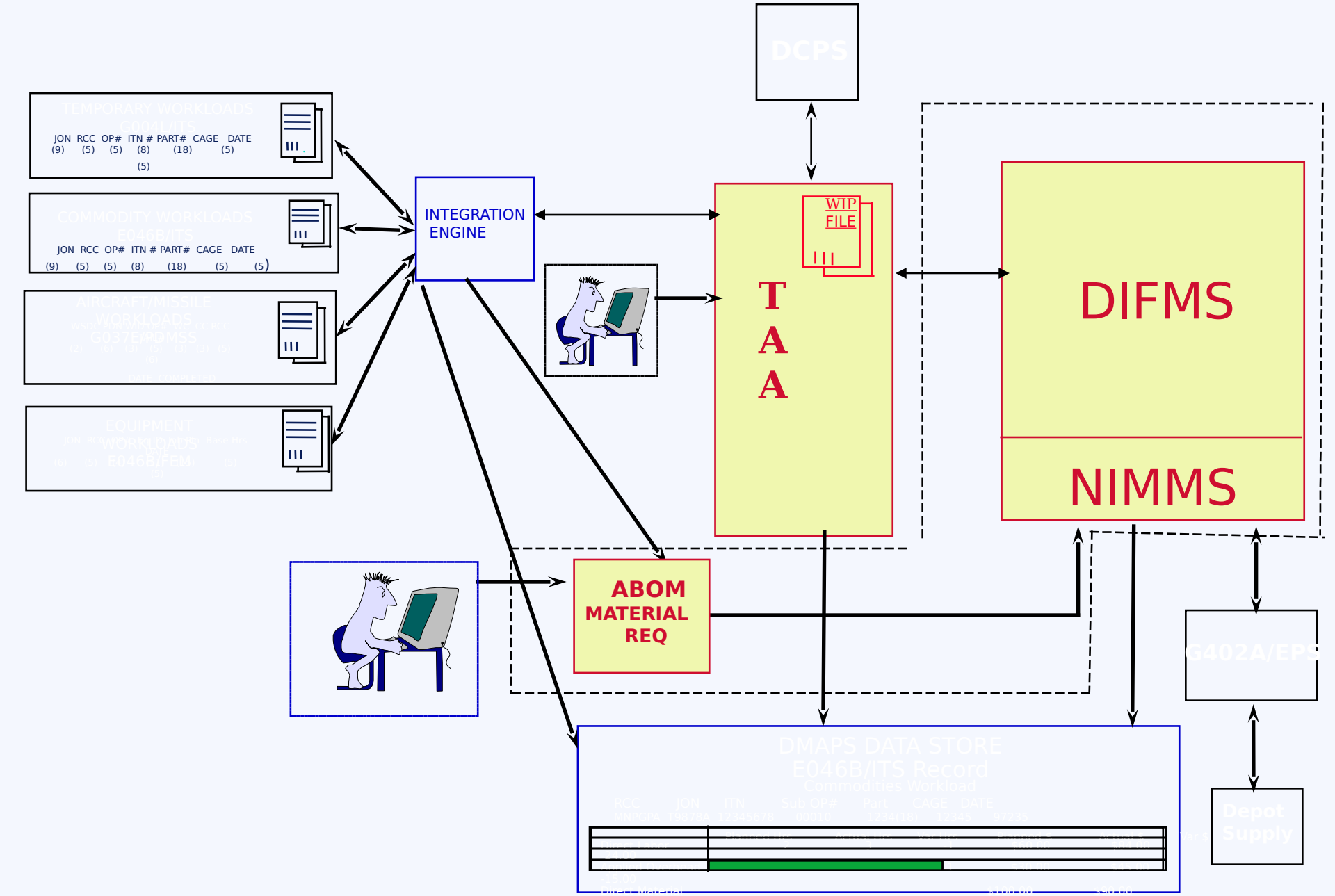
Ogden Air Logistics Center

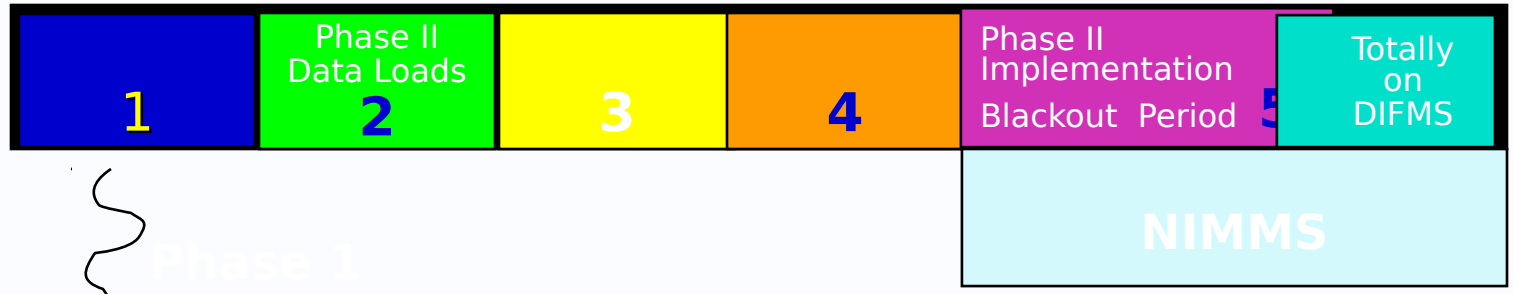
- **Scheduled by RCC**
  - **Pay Period Before "D" Day - When System Acti**



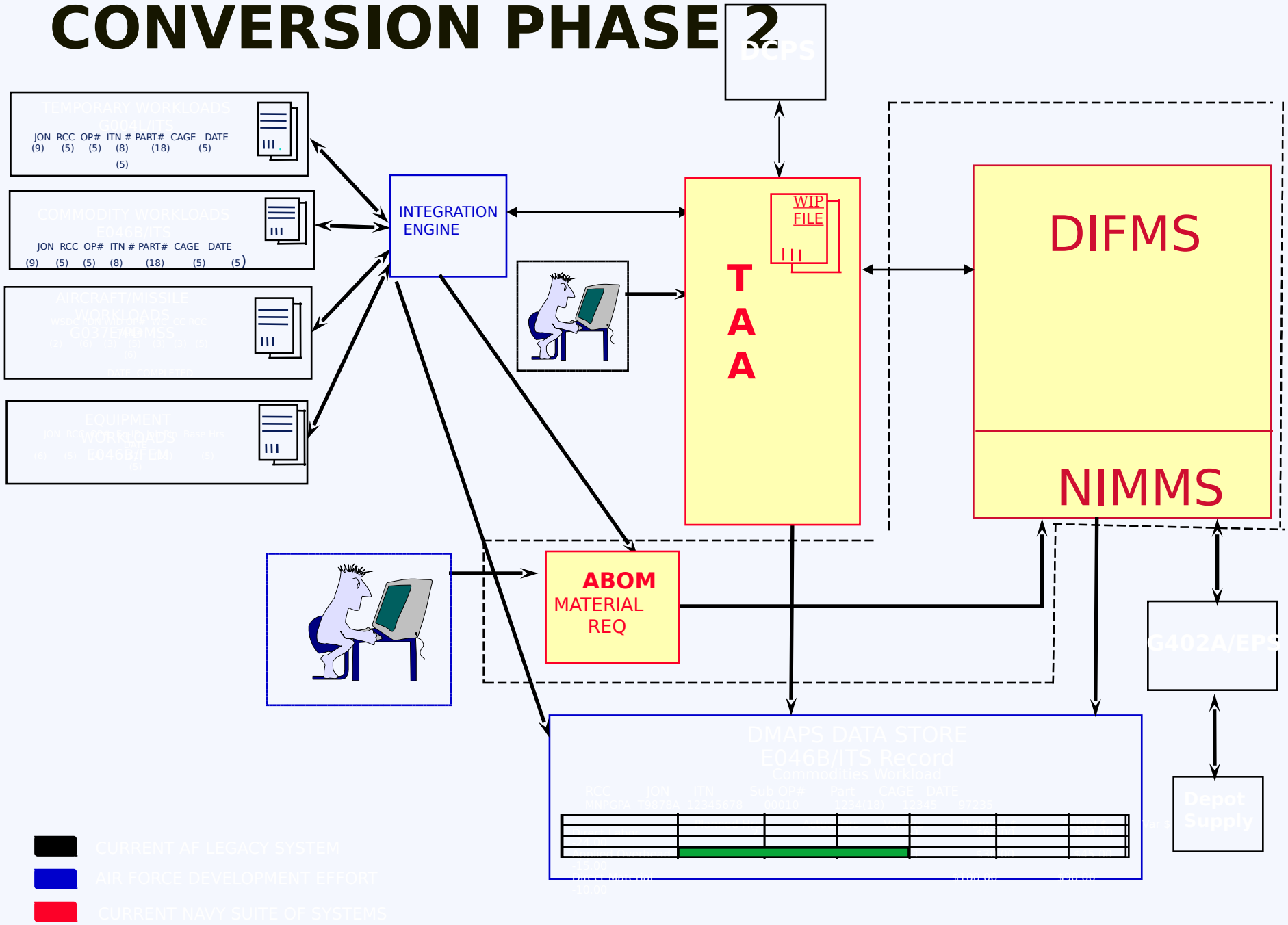
CONVERSION PHASE 1




DCPS
TEMPORARY WORKLOADS
G004L/ITS
JON RCC OP# ITN # PART# CAGE DATE
(9) (5) (5) (8) (18) (5)
(5)
COMMODITY WORKLOADS
E046B/ITS
JON RCC OP# ITN # PART# CAGE DATE
(9) (5) (5) (8) (18) (5) (5)
AIRCRAFT/MISSILE
WORKLOADS
G037E/ADMSS
EQUIPMENT
WORKLOADS
E046B/FEM
INTEGRATION
ENGINE
WIP
FILE
T
A
A
DIFMS
NIMMS
ABOM
MATERIAL
REQ
G402A/EPS
DMAPS DATA STORE
E046B/ITS Record
Commodities Workload
RCC JON ITN Sub OP# Part CAGE DATE
Depot
Supply


1
Phase II
Data Loads
2
3
4
Phase II
Implementation
Blackout Period
5
Totally
on
DIFMS
NIMMS

CONVERSION PHASE 2



AF PHASE II INTEGRATION ENGINE (IE) OVERVIEW

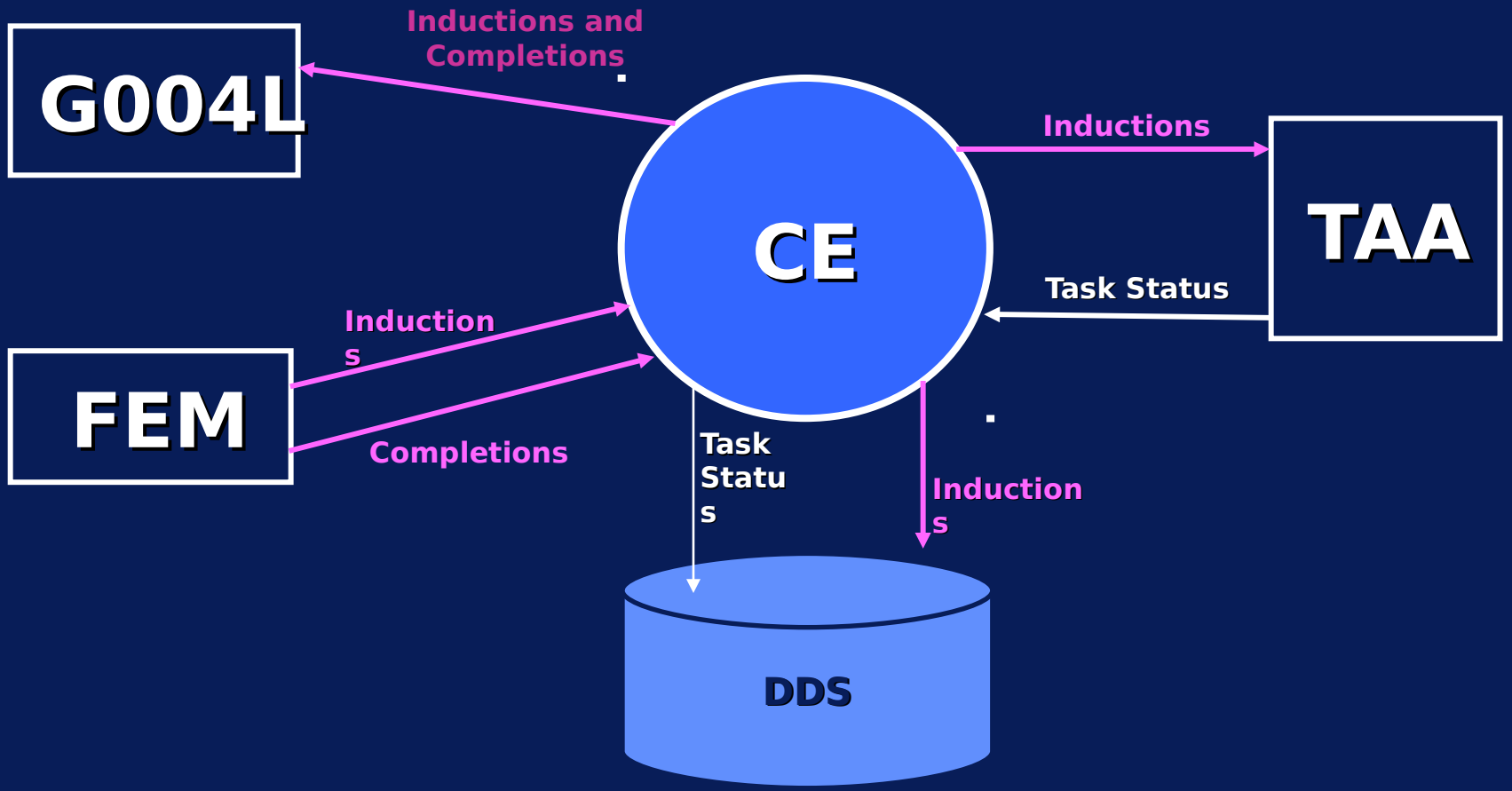
CONVERSION ENGINE (CE) PHASE II PRODUCTION

Ogden Air Logistics Center

- **Purpose**
  - **Facilitate exchange of data between AFMC systems and TAA with minimal changes to existing legacy and TAA systems**
  - **Pass data between DIFMS, RSC and Legacy Systems**
- **Procedure**
  - **Process Inductions/Completions from FEM**
    - **Assign Direct Jon Suffix**
    - **Convert Indirect JON values**
    - **NRT Inductions - CE to TAA, CE to DDS**
    - **Daily Completions - CE to G004L**
  - **Load task status from TAA into DDS**
  - **Pass list of valid RCCs from DIFMS to RSC**
  - **Pass appropriate RCC/Skill Codes information to E046B, G004L, D130, G336, G014, G037E, and G037F**

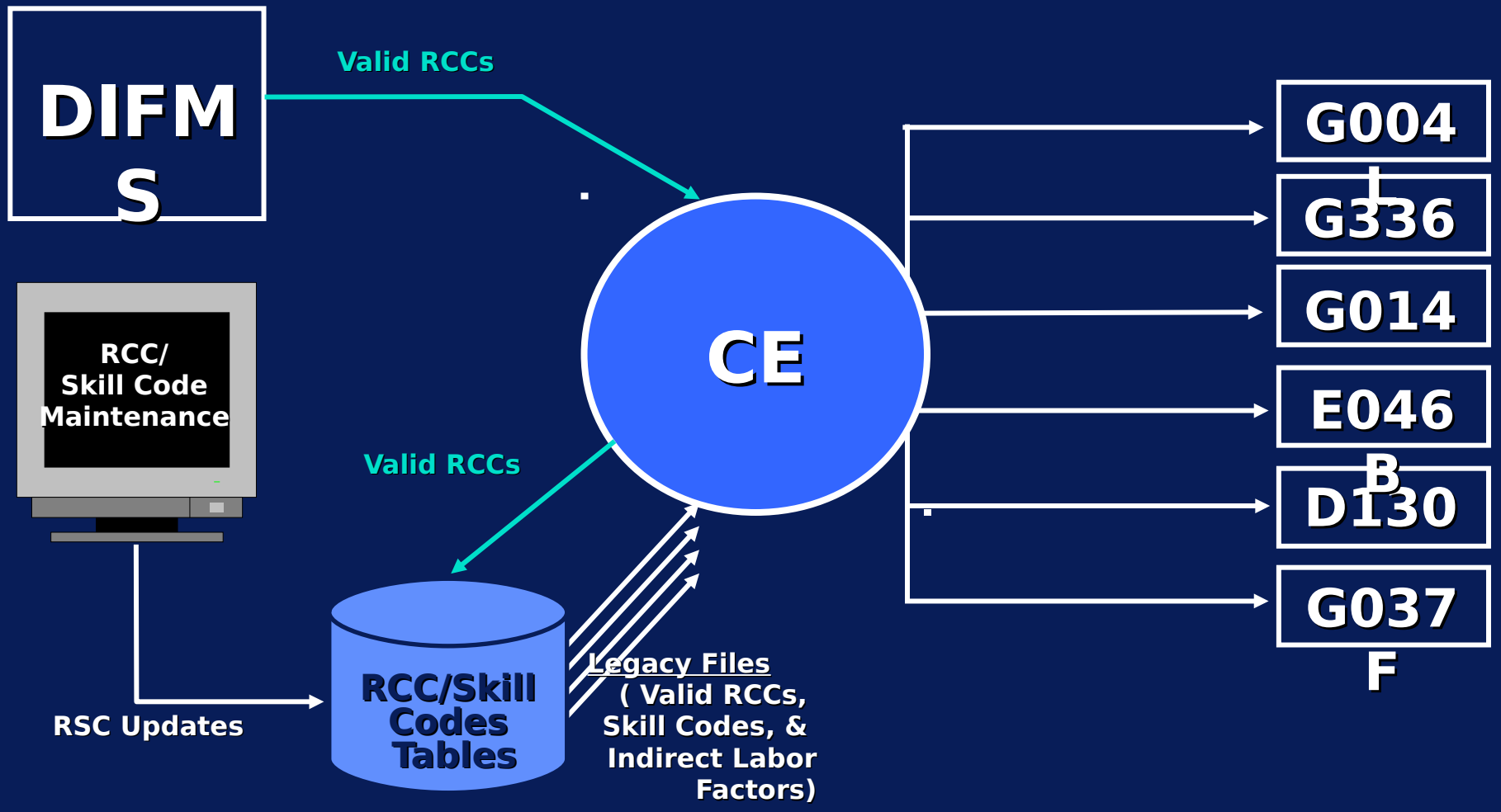
CE PHASE II PRODUCTION

Ogden Air Logistics Center



CE PHASE II PRODUCTION (cont.)

Ogden Air Logistics Center



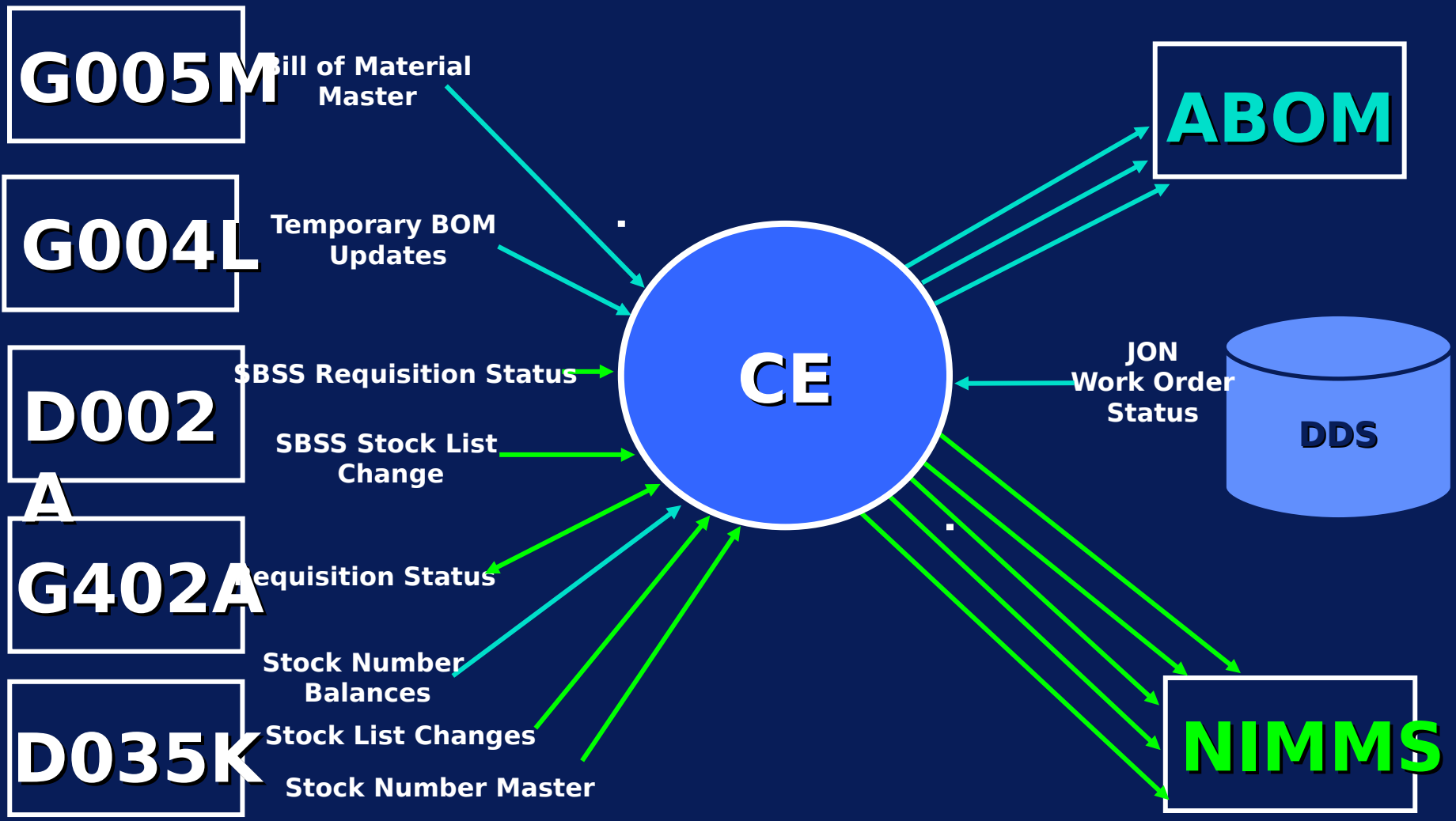
CE PHASE II MATERIAL

Ogden Air Logistics Center

- **Purpose**
  - **Facilitate the exchange of data between the AFMC Material systems, ABOM and NIMMS with minimal changes to existing systems, ABOM and NIMMS**
- **Procedure**
  - **Part Number catalog changes and Catalog data changes from G005M to NIMMS**
  - **BOM changes from G005M to ABOM**
  - **Temporary BOM updates from G004L and ABOM**
  - **SBSS catalog data and requisition status from D002A to NIMMS**
  - **Request Status from G042A to NIMMS**
  - **Supply balance from D035K to ABOM**
  - **Catalog data changes, I&S catalog data changes and Backorder validation status from D03K to NIMMS**
  - **JON Work Order status changes from DDS to ABOM**

CE PHASE II MATERIAL

Ogden Air Logistics Center



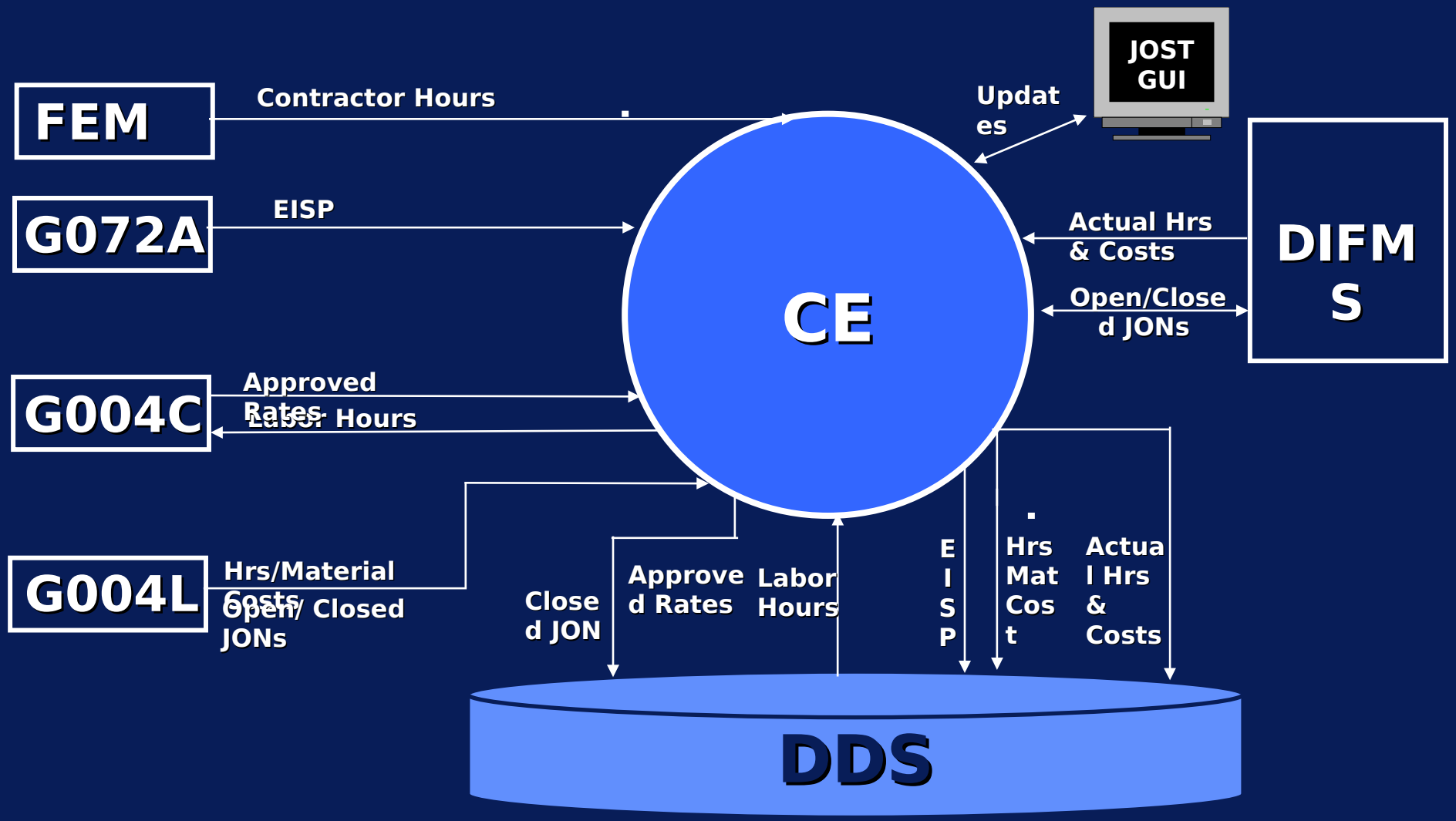
CE PHASE II FINANCE

Ogden Air Logistics Center

- **Purpose**
  - **Facilitate the exchange of data between the AFMC Finance systems and DIFMS with minimal changes to existing systems and DIFMS**
- **Procedure**
  - **End Item Sales Price from G072A to DDS**
  - **Labor Hours from DDS to G004C**
  - **Approved Rates from G004C to DDS**
  - **Hours/Material Cost from G004L to DDS**
  - **Open/Closed JONs from G004L to DIFMS and DDS**
  - **Actual Hours & Costs from DIFMS to DDS**
  - **Pass Funding Documents between FIT, J025A and DIFMS**
  - **Pass FCRN Master Data between FIT and G004L**

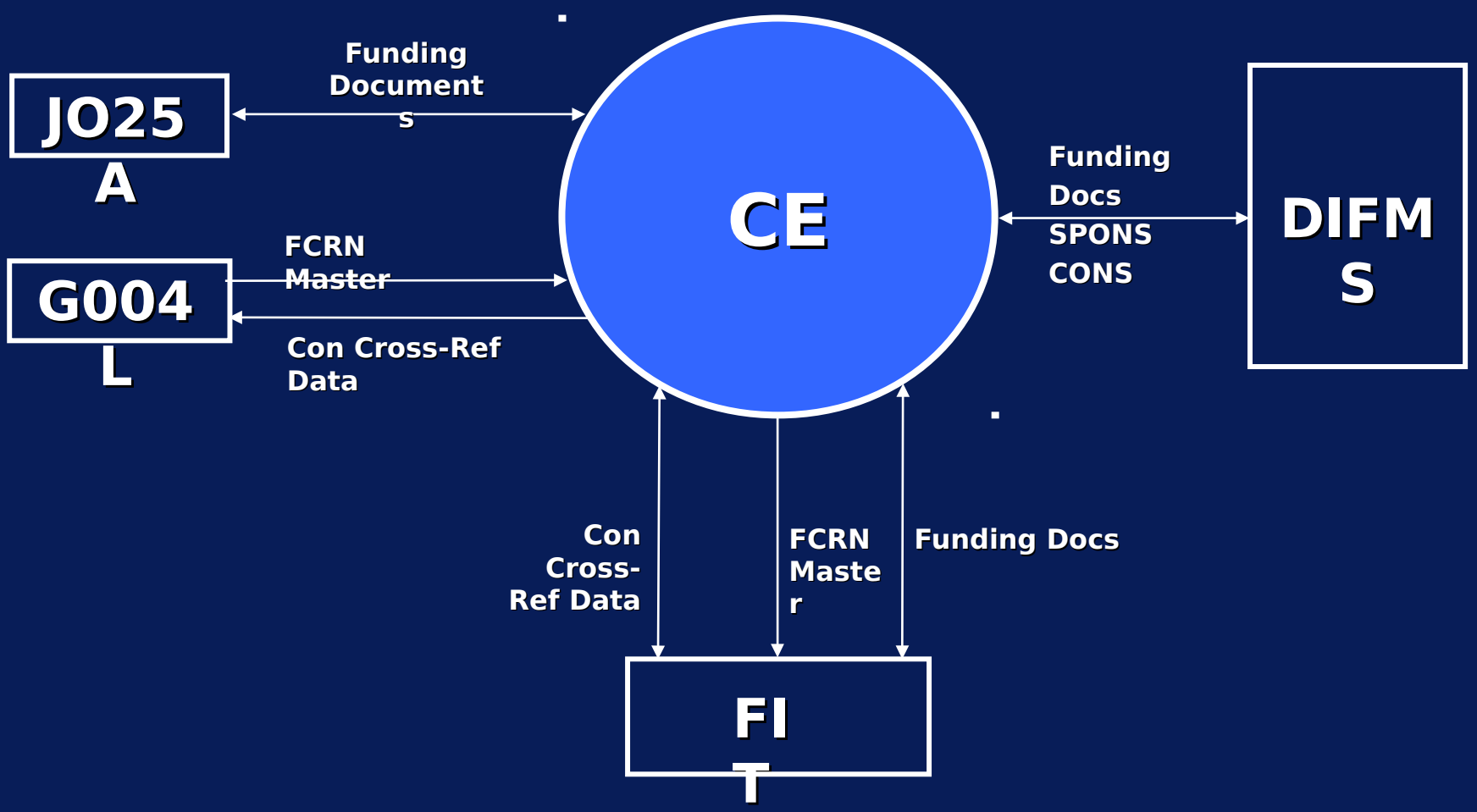
CE PHASE II FINANCE

Ogden Air Logistics Center



CE PHASE II FINANCE (cont.)

Ogden Air Logistics Center



DMAPS DATA STORE (DDS) PHASE II OVERVIEW PRODUCTION

Ogden Air Logistics Center

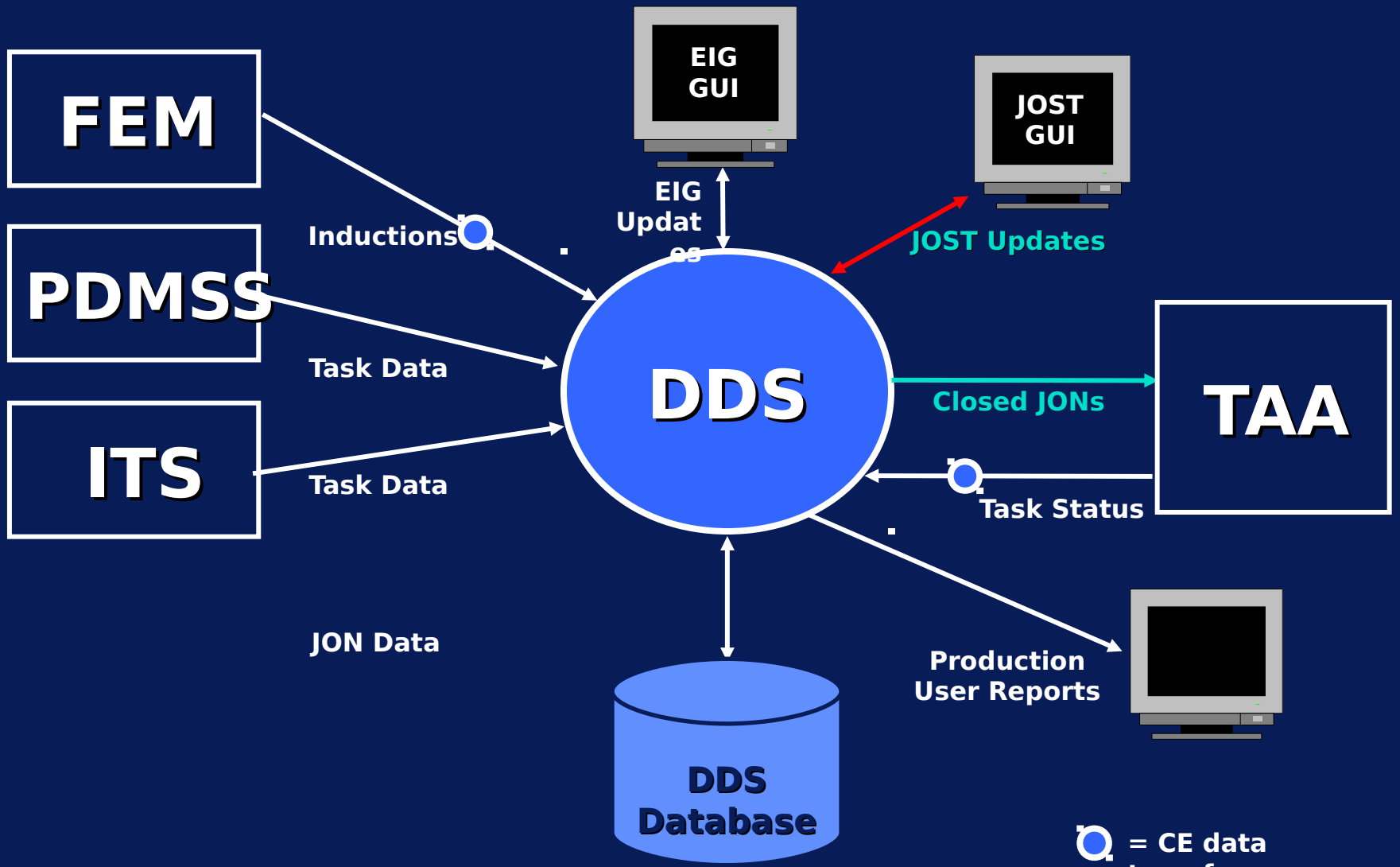
- **Purpose**
  - **Provide graphical user interface to generate and maintain DMAG Employee Ids (EIG)**
  - **Store induction, JON, planned & actual hours at task level, and other task data from legacy and TAA systems**
  - **Provide graphical user interface to update DIFMS JON status to closed in DDS (JOST)**
  - **Provide TAA closed JONs**
  - **Provide production reporting capability to user base**

DDS PHASE II PRODUCTION (cont.)

- **Procedure**
  - Generate and store employee Ids
  - Store induction data from FEM
  - Store task data from PDMSS and ITS
  - Store task status and actual hours from TAA
  - Update DIFMS JON Status
    - >Update DIFMS JON Status to closed
    - >Update DDS task status for canceled tasks
    - >Closed JONs - DDS to TAA
  - Provide ad-hoc reporting to user base, e.g. labor hour reporting

DDS PHASE II PRODUCTION

Ogden Air Logistics Center

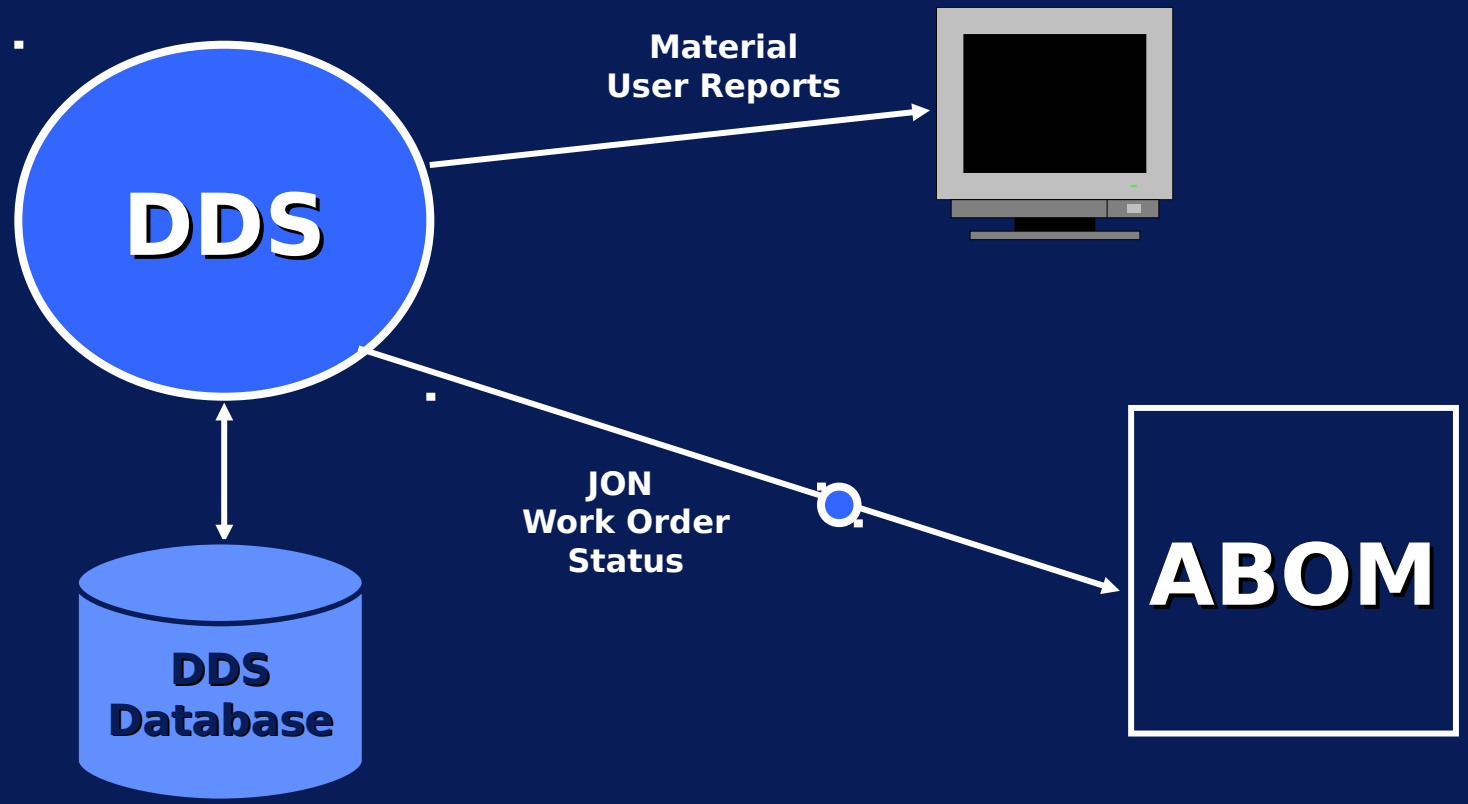


DDS PHASE II OVERVIEW MATERIAL

- **Purpose**
  - To provide ABOM with current JON Work Order status
  - To support material analysis and reporting
- **Procedure**
  - Send JON Work Order status changes to ABOM
  - Provide reporting capability for users to access DDS information for material analyses

DDS PHASE II MATERIAL

Ogden Air Logistics Center



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DDS PHASE II OVERVIEW
FINANCE

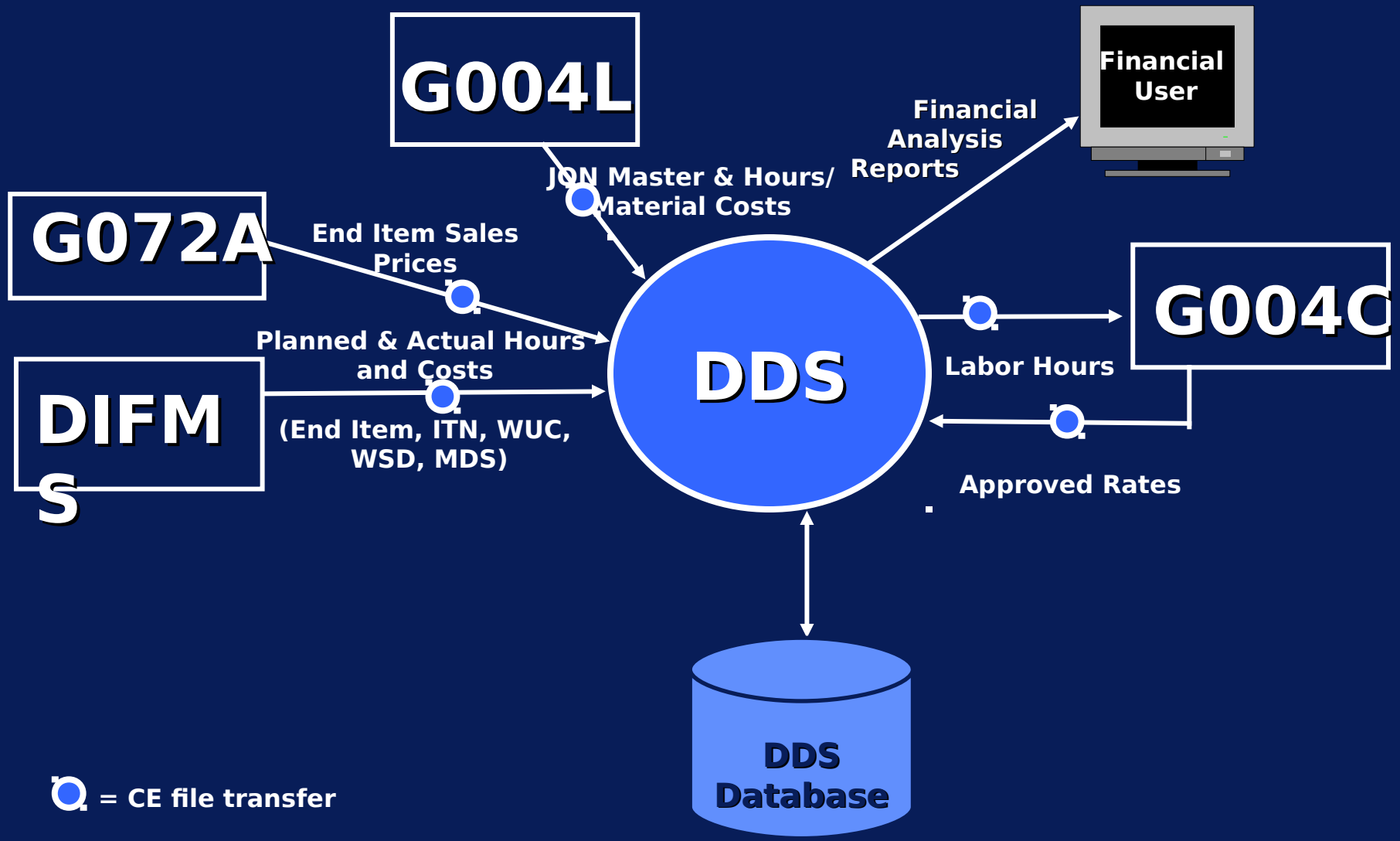
- **Purpose**
  - To support cost analysis (below the JON/RCC level) and budget development
  - To support profit and loss variance analysis by individual end item from end item sales price data from G072A, G004L, and MDS
  - To support consolidation of 1397 data at HQ AFMC
  - To replace existing support provided by G037G
  - To support the “To Be” Budget process and the Cost and Production Performance Module
  - To support comparative analysis of "Should” to actual costs (actual hour labor collection at task level)
  - To support calculations for temporary workload
  - To store detail and summary data for comparative analysis
  - To provide cost/hour reporting capability at the task and JON level
  - To provide on-line retrieval of archived data for audits

DDS PHASE II OVERVIEW FINANCE (cont.)

- **Procedure**
  - Receive approved rates from G004C
  - Receive end item sales price data from G072A
  - Receive actual hours and cost data from DIFMS
  - Receive hours/material cost data and JON Master data from G004L
  - Receive RCC Target Rate and Budgeted Labor Efficiency data from H033
  - Receive MDS end item costs
  - Send cost and production performance data to H033
  - Send labor hours to G004C
  - Send 1397 report data to H036A
  - Send work order status changes to ABOM

DDS PHASE II FINANCE

Ogden Air Logistics Center

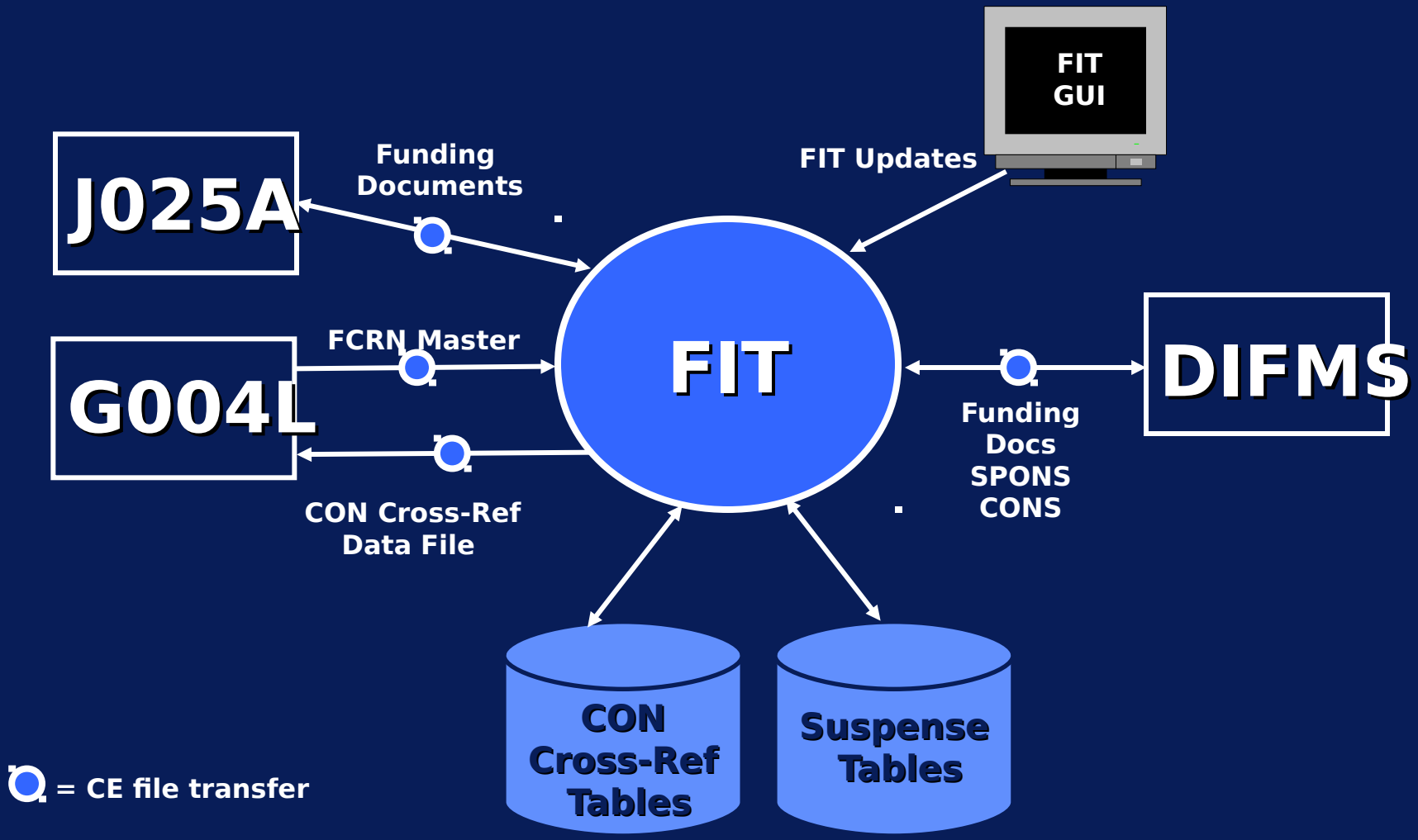


PHASE II OVERVIEW FUNDING INITIALIZATION TOOL (FIT)

- **Purpose**
  - **Provide a system through which customer funding documents are received from J025A, validated and passed to DIFMS**
- **Procedure**
  - **181 funding document records transfer from J025A to FIT**
  - **CON validation performed**
  - **User adds missing elements required by DIFMS, e.g. FMS Case Number and SPON Address Code**
  - **CON cross-ref data transfer to G004L**
  - **Funding document(s) transfer to DIFMS**
  - **Funding document modifications transfer from DIFMS to FIT**
  - **FCRN Master Records transfer from G004L to FIT**

PHASE II FIT

Ogden Air Logistics Center

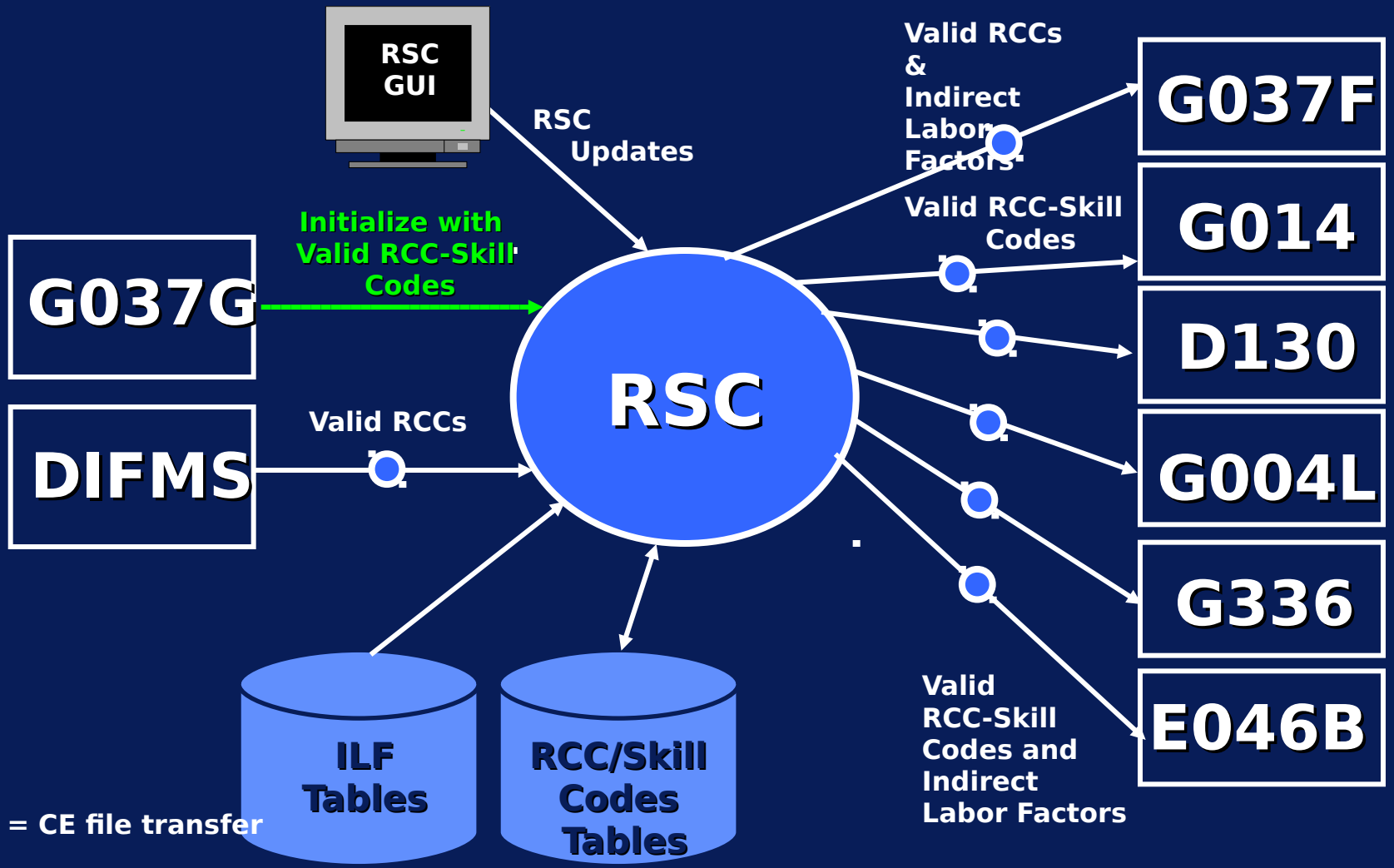


PHASE II
RCC/SKILL CODES (RSC)

- **Purpose**
  - Replace the G037G RCC-Skill Code associations
  - Provide Graphical User Interface to add Skill Codes and maintain their associations with RCCs
  - Replace feeds to legacy systems from G037G
- **Procedure**
  - Initialize RSC with valid RCC-Skill Codes
  - Valid RCCs transfer from DIFMS to RSC
  - User updates relationships between RCCs and Skill Codes
  - Valid RCC-Skill Codes transfer from RSC to legacy systems (ILFs included to selected legacy systems)

PHASE II RSC

Ogden Air Logistics Center



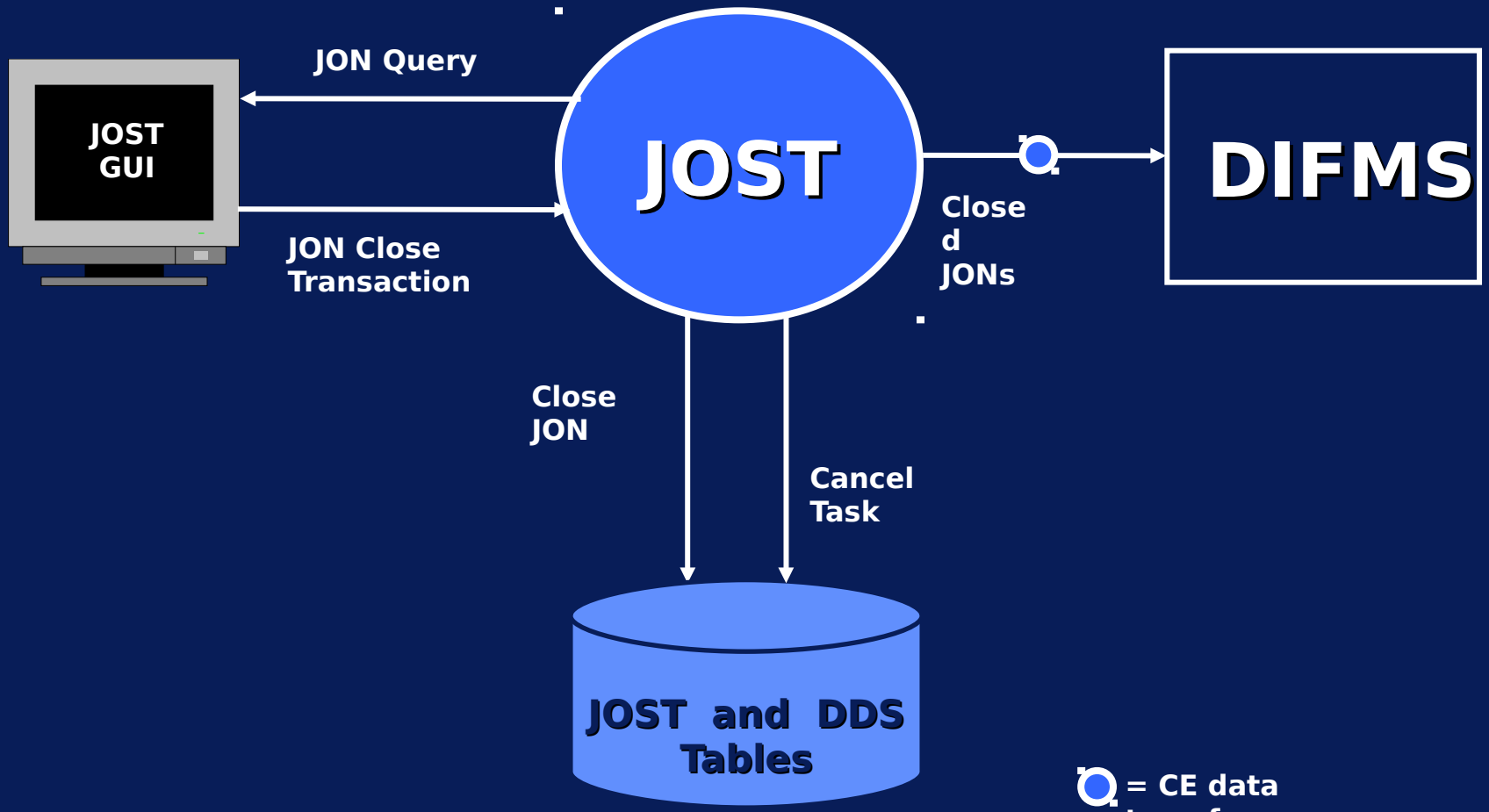
PHASE II
JOB ORDER STATUS TOOL (JOST)

Ogden Air Logistics Center

- **Purpose**
  - **Provide the capability to modify the status of multiple JONs that are open to financially closed**
  - **Allow the user to change the DIFMS restriction codes associated with a given JON**
- **Procedure**
  - **Determine JONs that have been closed by G004L but are still open in DIFMS**
  - **Provide a GUI interface to allow the user to close multiple JONs to a closed status**
  - **Provide a GUI interface to allow the user to modify restriction codes associated with a given JON**
  - **Build a transaction record that will then be passed to DIFMS**

PHASE II JOST

Ogden Air Logistics Center



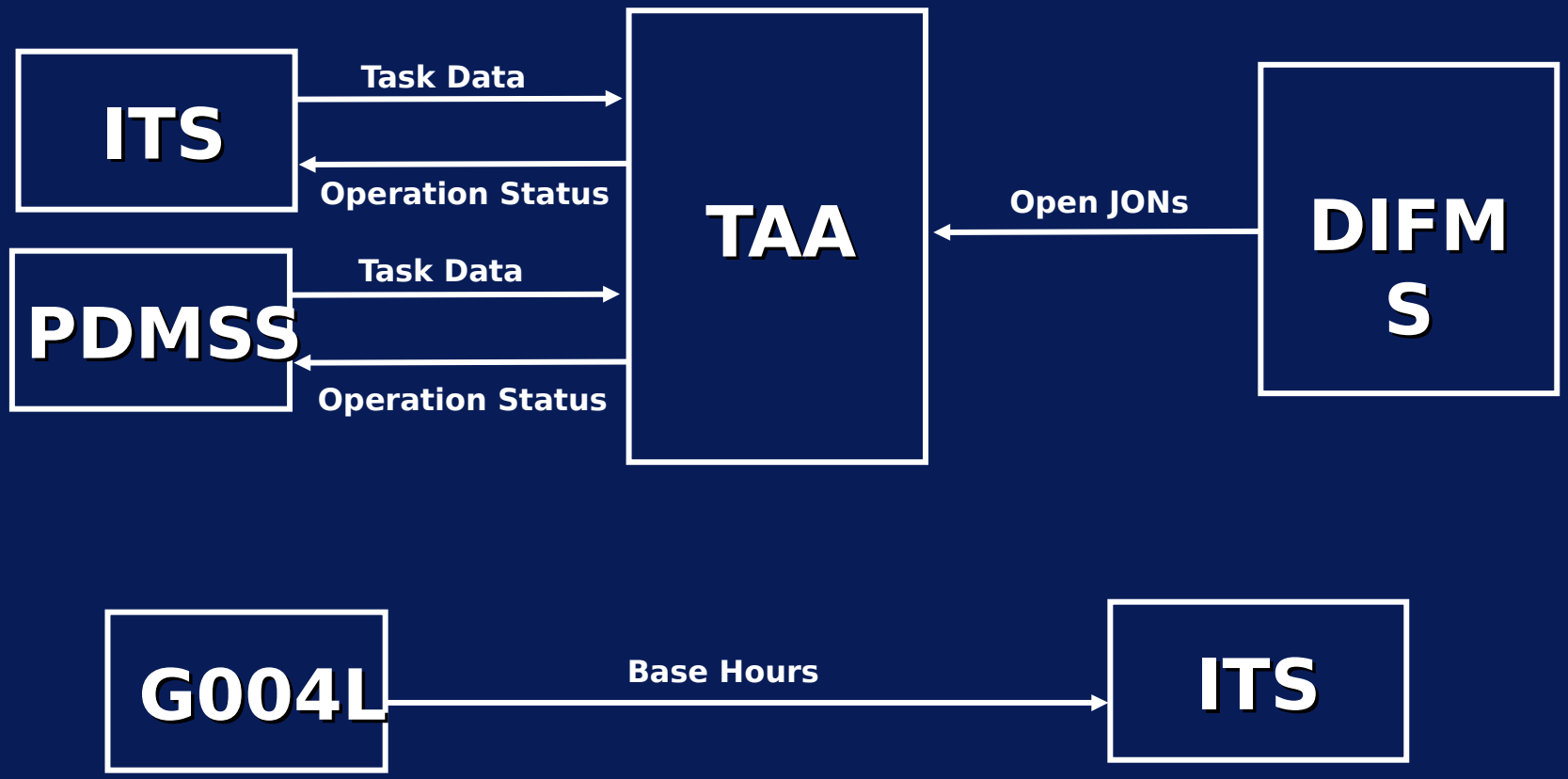
DIRECT INTERFACES PHASE II PRODUCTION

Ogden Air Logistics Center

- **Purpose**
  - Facilitate the direct exchange of data between TAA and legacy systems, DIFMS to TAA, and G004L to ITS.
- **Procedure**
  - Task Data from ITS to TAA
  - Task Data from PDMSS to TAA
  - Operation Status Transactions from TAA to ITS
  - Operation Status Transactions from TAA to PDMSS
  - Base Hours from G004L to ITS
  - Active/Valid JON list from DIFMS to TAA

DIRECT INTERFACE PHASE II PRODUCTION

Ogden Air Logistics Center

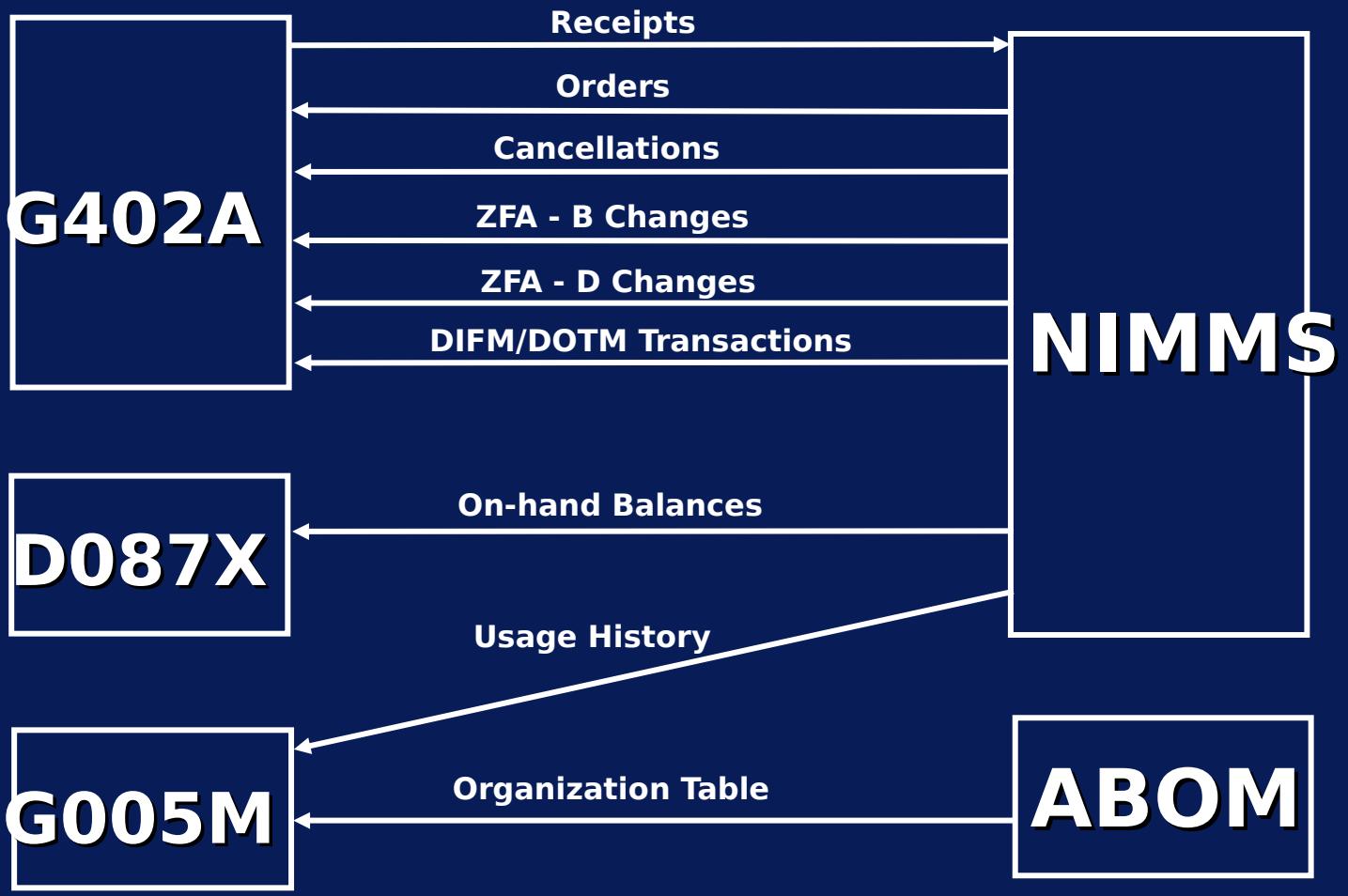


DIRECT INTERFACE PHASE II MATERIAL

- **Purpose**
  - Facilitate the direct exchange of data between NIMMS/ABOM and legacy systems
- **Procedure**
  - Usage history information from NIMMS to G005M
  - Receipts from G402A to NIMMS
  - Orders from NIMMS to G042A
  - Cancellations from NIMMS to G042A
  - ZFA- B changes from NIMMS to G042A
  - ZFA- D changes from NIMMS to G042A
  - DIFM/DOTM transactions from NIMMS to G042A
  - On-hand available for issue balances from NIMMS to D087X
  - Organization table from ABOM to G005M

DIRECT INTERFACE PHASE II MATERIAL

Ogden Air Logistics Center



DIRECT INTERFACE PHASE II FINANCE

- **Purpose**
  - Facilitate the direct exchange of data between J025A and G004B
  - Facilitate the direct exchange of data between DDS and H033, H036A
- **Procedure**
  - Funding document information from J025A to G004B
  - Cost & Production Performance from DDS to H033
  - Target Rates and BLE from H033 to DDS
  - 1397 Report data from DDS to H036A

DIRECT INTERFACE PHASE II FINANCE

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